

December 2, 2015

Update on dredging, stockpiling and disposal plan for the sediment from Pond #5.

Sample results have been received for samples taken from the staging and stockpile area at the end of Linnard and Linbrook Streets. These results show the presence of low levels of metals and Polycyclic Aromatic Hydrocarbons (PAHs). The results indicate that the same metals and PAHs found in the sediment to be dredged from the pond are also present in the soil in the staging and stockpile area, however the levels are somewhat lower.

Based on the sample results, the department has instructed Paganelli Construction to place a geotextile liner in the area where the sediment will be stockpiled. In the interim some material will be hauled off site to a stockpile area that is already processing similar material. While the Department believes there is no risk to the residents of these neighborhoods from the stockpiling and dewatering of sediments containing these levels of metals and PAHs, we are taking these additional conservative measures to ensure that there will be no long-term impacts to the staging and stockpile area from sediment handling.

Following is a comparison, summary and explanation of the sampling results on both the sediment and the staging and stockpiling area. Please feel free to contact us with any questions or concerns you may have.

Our contact people for this project are:

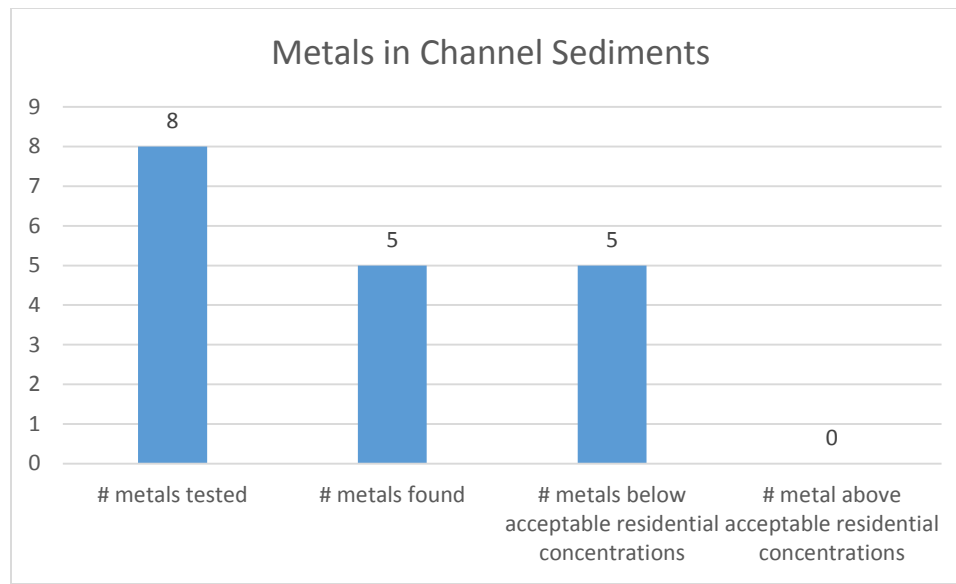
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Full test results for both sediment and staging and stock piling area are posted at the project website:

www.ct.gov/deep/sbpr

Summary and explanation of Results of Sediment Testing in Trout Brook Sediment Pond #5 and testing of Staging and Stockpiling area

- Metals are common components of soils and sediments. They can occur naturally or from manmade sources. The sediments were tested for eight types of metals. Five types of metals were found in both the sediments and the staging and stockpiling area. All were present at low levels – levels below thresholds that have been set to indicate any risk to human health on residential properties.



- Semivolatile organics are a common chemical found in the environment. The sediments and staging and stockpiling area were tested for 68 semivolatile organics. Only eight were detected, all of which belong to a group of semivolatile chemicals called Polycyclic Aromatic Hydrocarbons (PAHs).
- PAHs are common chemicals occurring when something burns incompletely. This incomplete combustion occurs in many places, from the cars that we drive to the heating systems in our homes, to the foods that we grill. There are both natural and manmade sources of PAHs. These chemicals are typically found in soils and sediments due to atmospheric deposition and stormwater runoff.
- Half of the PAHs (four of eight) measured in the sediments were found at concentrations below the thresholds that have been set to indicate any risk to human health on residential properties.
- The other half of the PAHs (four of eight) were detected at levels slightly above the threshold levels for residential properties.
- All of the PAHs found in the staging and stockpiling area were below thresholds set to indicate any risk to human health on residential properties.
- The threshold levels for concentrations of PAHs on residential properties, however, are based on the assumption that people will be directly exposed to the soils for a period of 30 years. The sediments to be dredged from Pond #5 and dried on the site behind Linnard and Linbrook Streets will be stockpiled for 30 to 60 days – not a long enough time to create risks from exposure.
- In addition, there is no risk of harm from contaminants like these in the soil or sediment if people do not come into contact with them. There will be fencing and signage designed to keep people from accessing any excavated sediments stockpiled for dewatering at the end of Linnard and Linbrook Streets.

